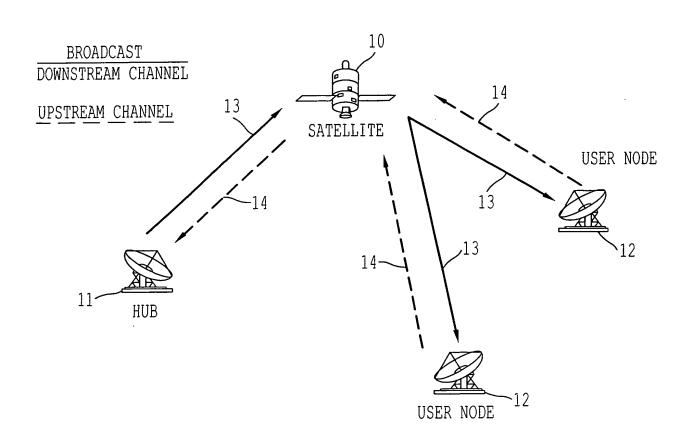


FIG. 1 (BACKGROUND ART)



OBLON, SPIVAK, et al Docket No: 242845US8 Inventor: Conor FOLEY, et al. Serial No: 10/721,419 Reply to NFMP dated: March 12, 2004 Replacement Sheet

FIG. 2 (BACKGROUND ART)

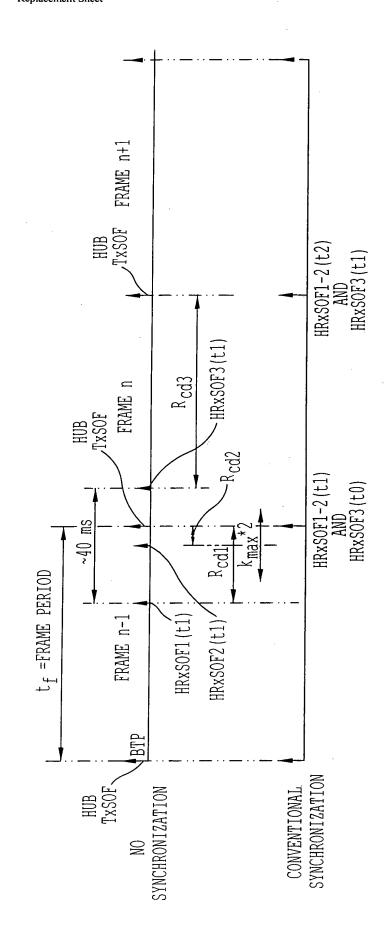
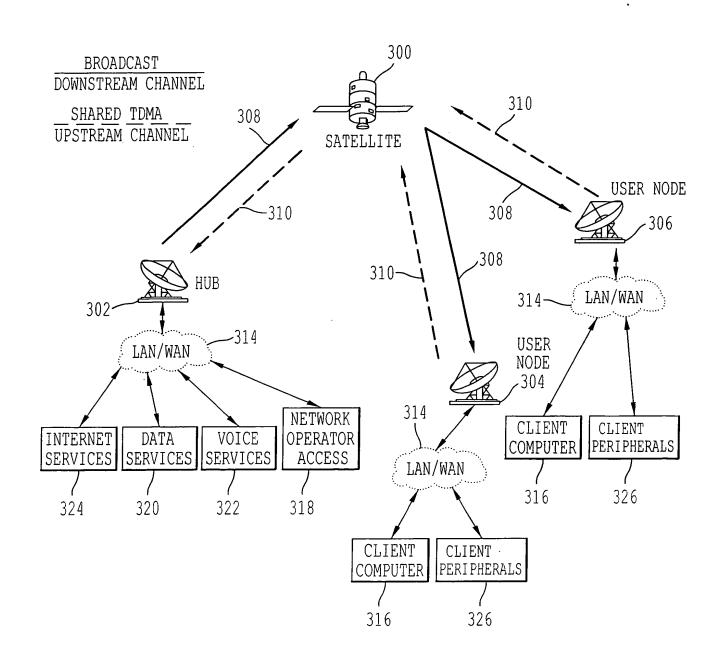
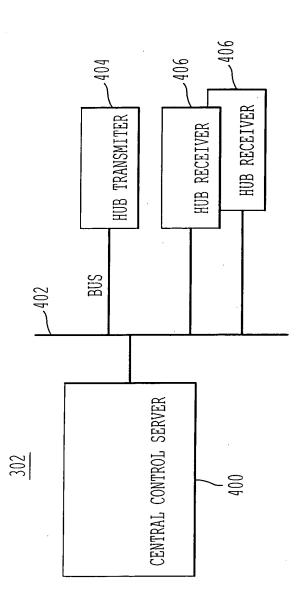
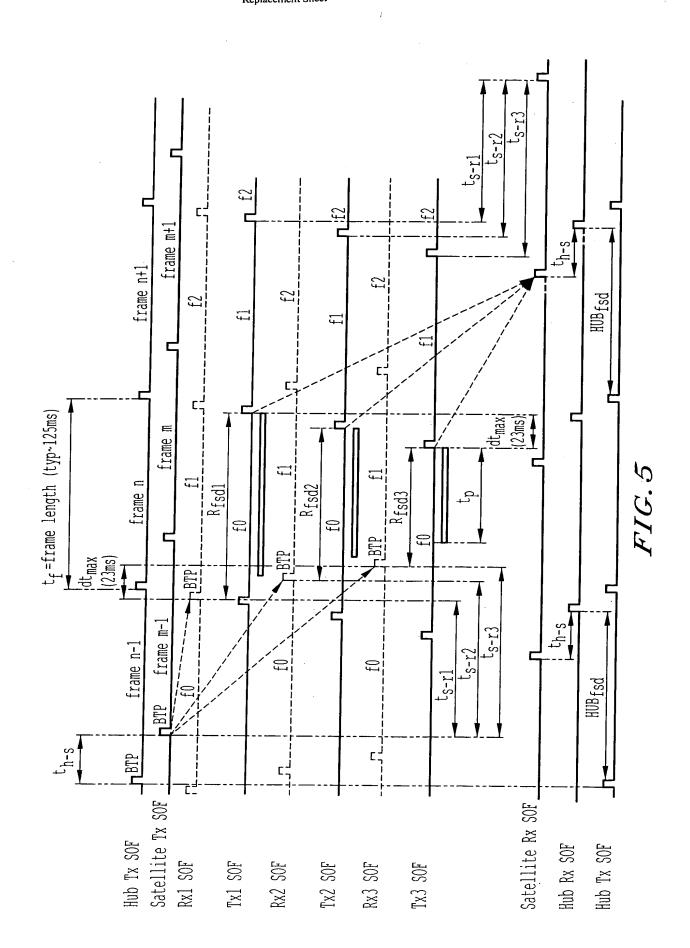


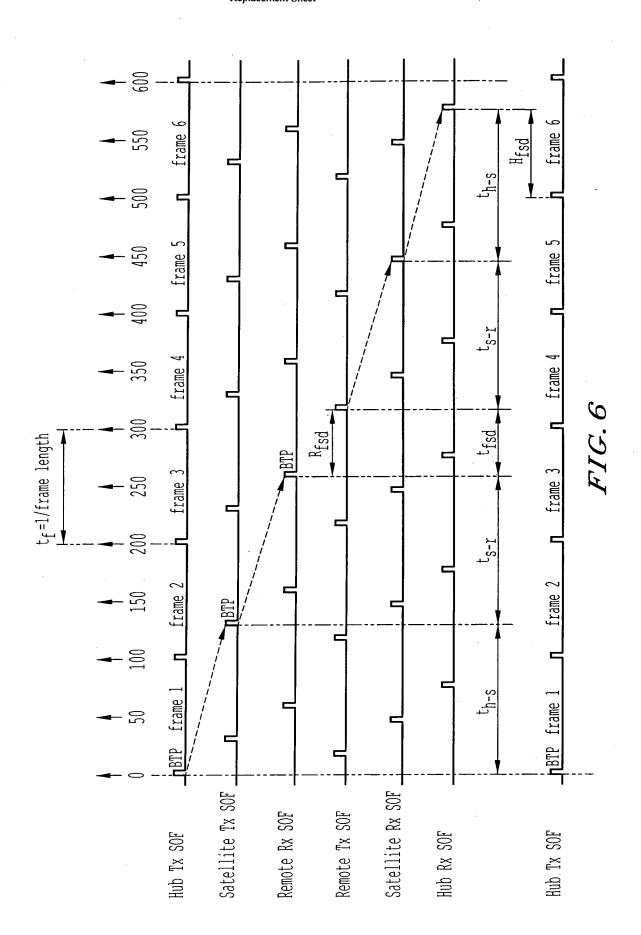
FIG.3

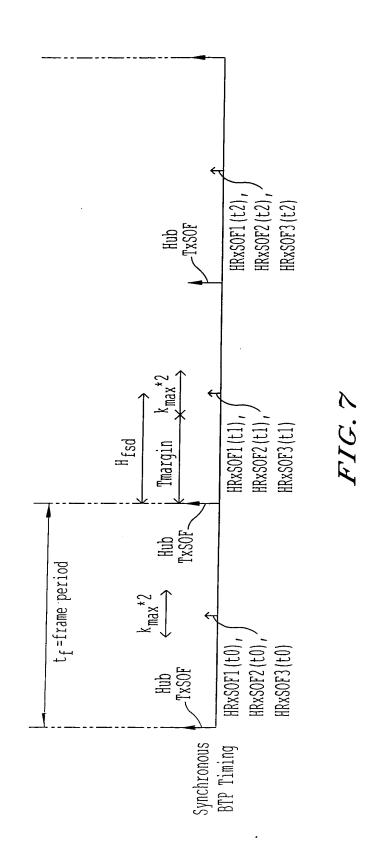












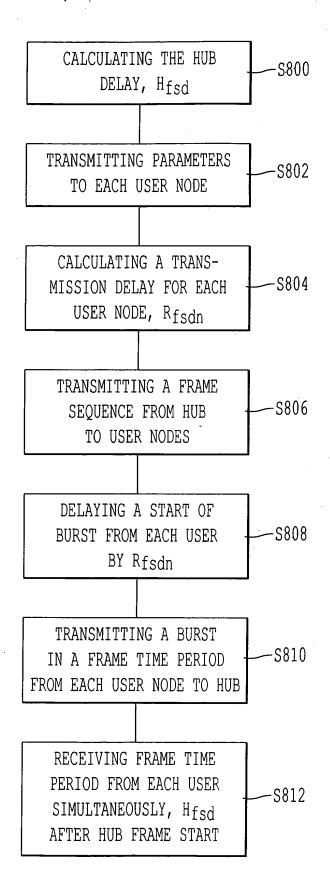
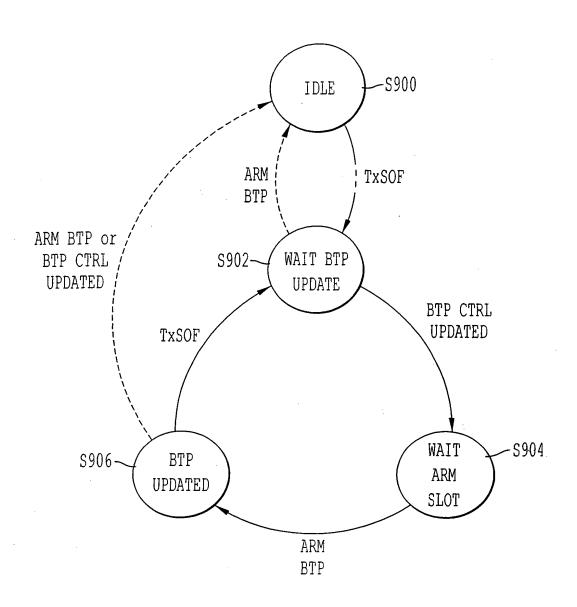


FIG. 8

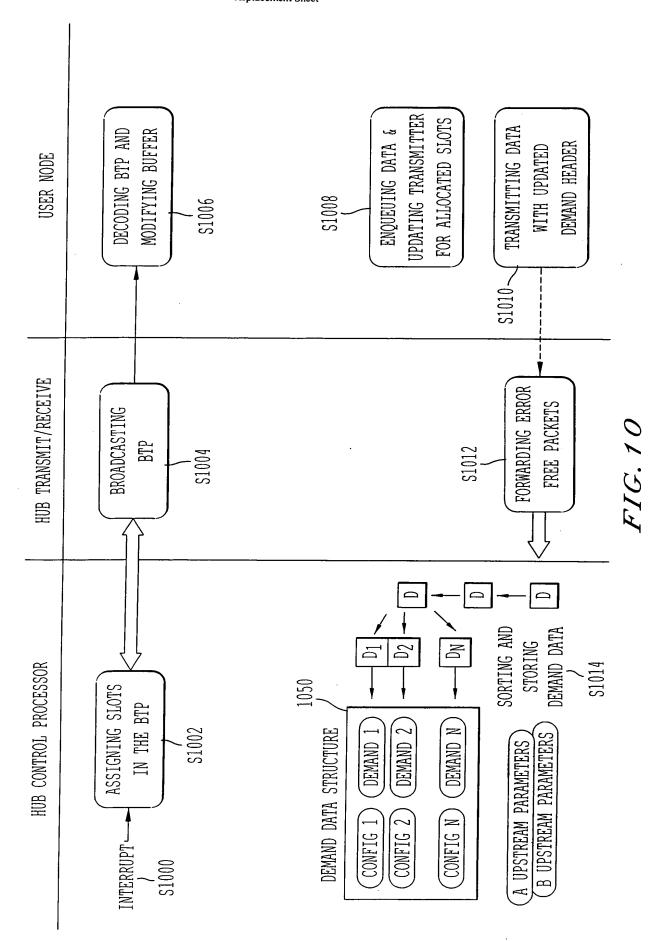


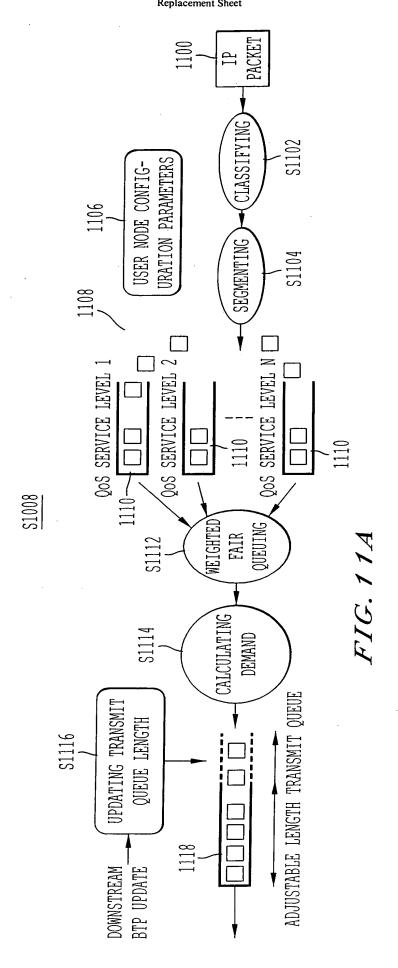
NORMAL OPERATION

ERROR

ERROR RECOVERY

FIG.9





OBLON, SPIVAK, et al Docket No: 242845US8 Inventor: Conor FOLEY, et al.

Serial No: 10/721,419 Reply to NFMP dated: March 12, 2004 Replacement Sheet

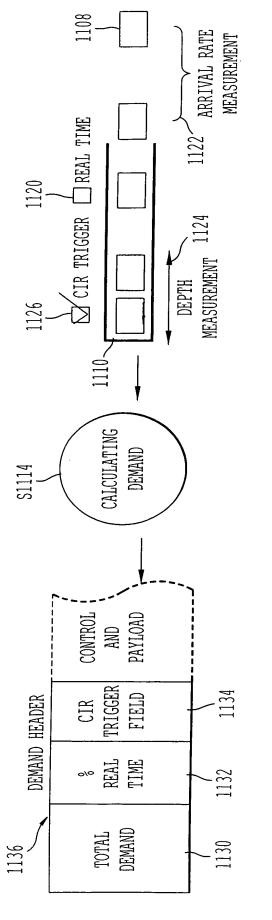


FIG. 11B

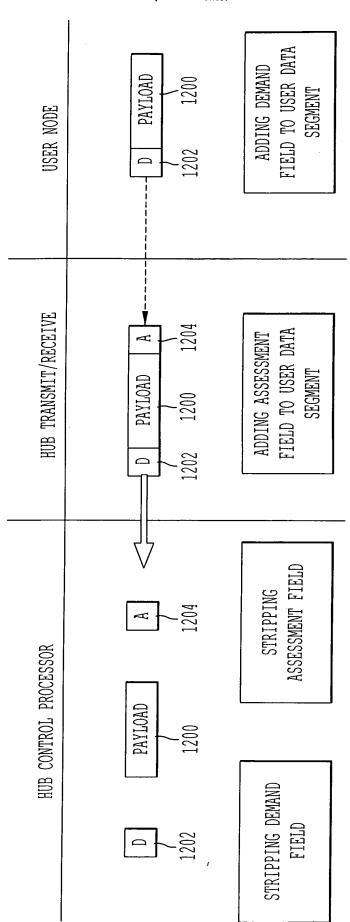
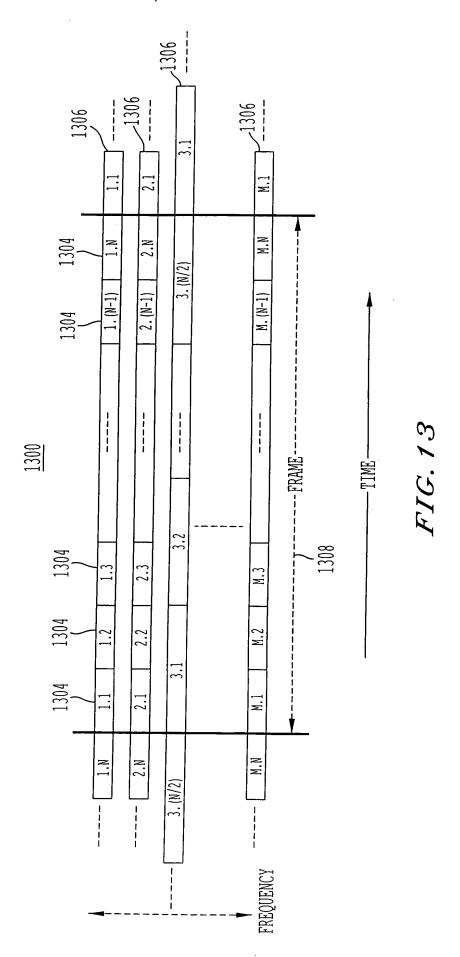


FIG. 12

OBLON, SPIVAK, et al Docket No: 242845US8 Inventor: Conor FOLEY, et al.

Serial No: 10/721,419
Reply to NFMP dated: March 12, 2004
Replacement Sheet





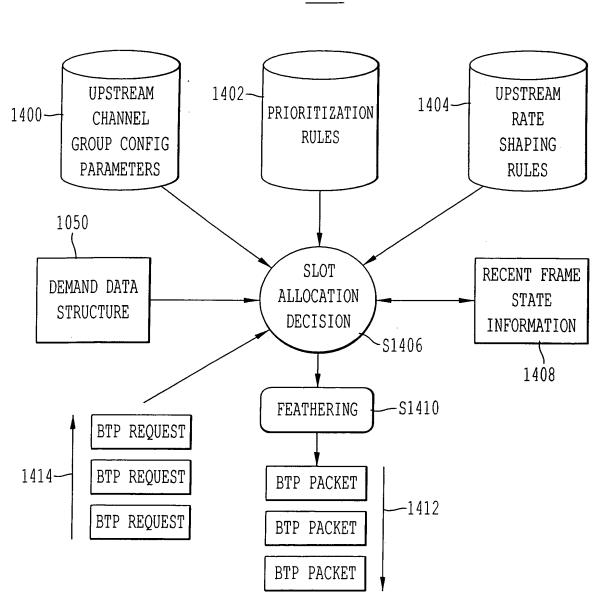


FIG. 14

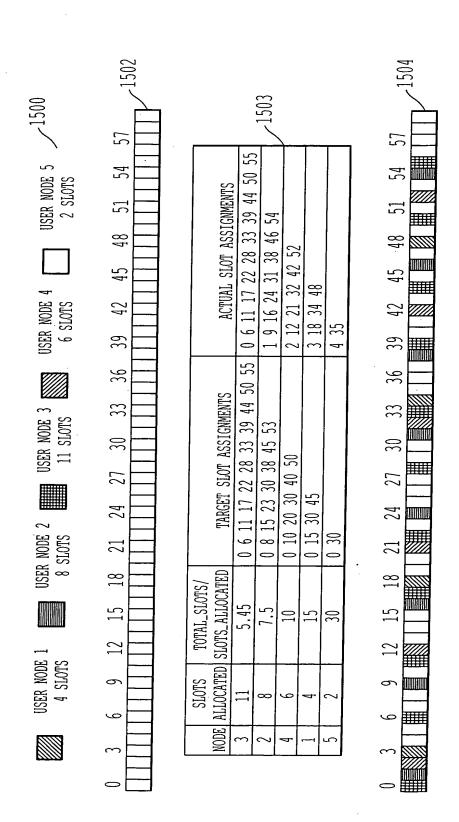
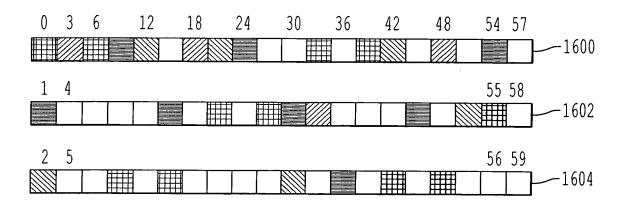


FIG. 15



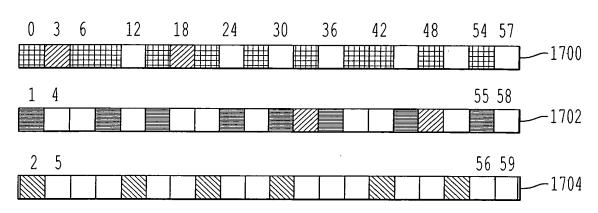
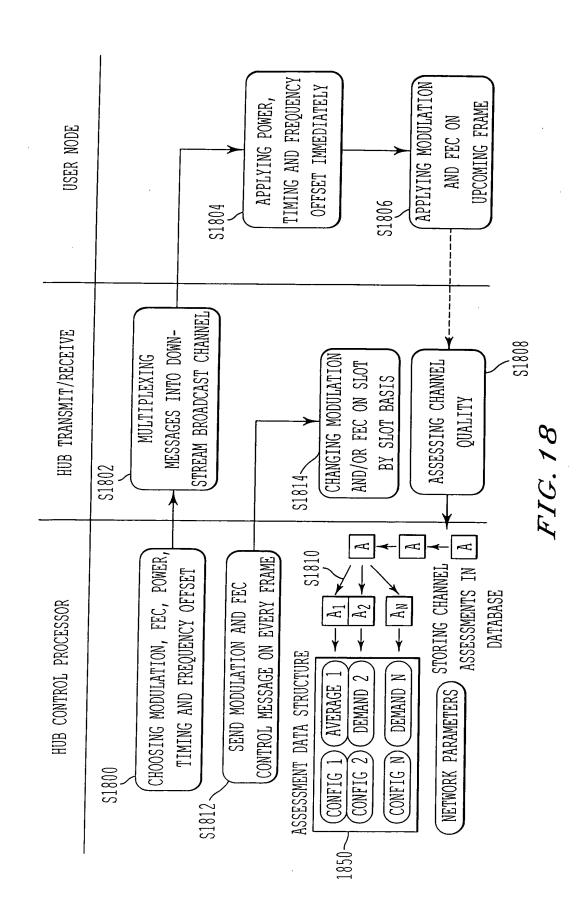
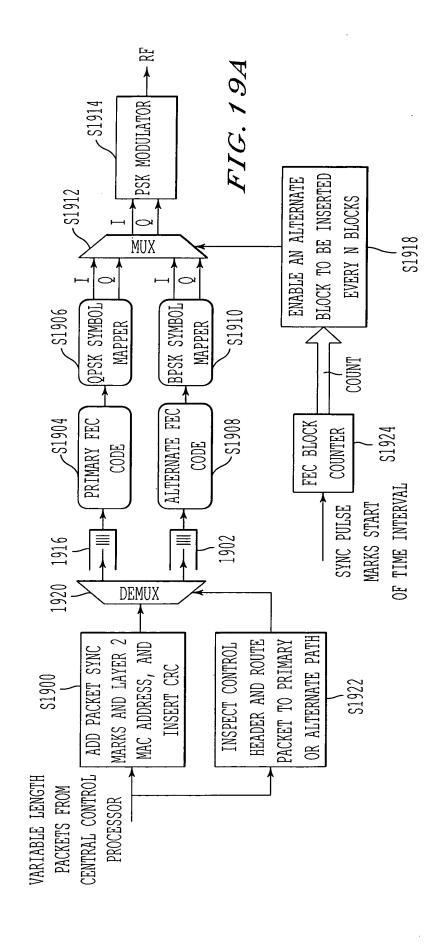


FIG. 17

FIG. 16





OBLON, SPIVAK, et al Docket No: 242845US8 Inventor: Conor FOLEY, et al. Serial No: 10/721,419

Reply to NFMP dated: March 12, 2004

Replacement Sheet

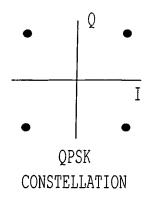
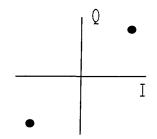


FIG. 19B



BPSK CONSTELLATION ORIENTED AT 45 DEGREE ANGLE TO BOTH AXES

FIG. 19C

Serial No: 10/721,419 Reply to NFMP dated: March 12, 2004 Replacement Sheet SWITCH TO ALTERNATE MODULATION AND FEC TRANSMIT SNR PERIODICALLY USER NODE \$2054 \$2052 ALTERNATE MODULATION AND FEC FOR MARKED PACKETS HUB TRANSMIT/RECEIVE FORWARD BURSTS \$2056 \$2050 RECOVERY MODE IF SNR TOO LOW RECOVERY MODE IF NO BURSTS MARK PACKETS FOR RECOVERY HUB CONTROL PROCESSOR \$2058 RECEIVED \$2000 NODES \$2060

OBLON, SPIVAK, et al Docket No: 242845US8 Inventor: Conor FOLEY, et al.

